

Surveying and Engineering Consultants

Digital Data Submission Standards

The City of McCall has developed the digital plat submittal format and data standards contained in this document. The standards were developed to standardize all digital plat submissions and to streamline the integration of this digital information into Geographic Information Systems datasets. Upon receipt of the electronic files, the City of McCall will import the file into their property base map and revise the existing line work around the new parcel. All of the electronic data submitted will not be rotated or scaled to fit the existing basemap. The data will be held as true over the existing line work depicted in the property basemap

As of March 1, 2006, each plat(s) or subdivision map(s) delivered to the City of McCall required by ordinance or policy will be delivered digitally, in addition to the standard submission medium.

- Digital submittals that do not conform to the guidelines or files not readable by the City of McCall GIS will need to be re-submitted.
- Each applicant will be given two re-submittals to correct technical issues without additional fees. After the second re-submittal the applicant will be billed \$85.00 per hour for additional time required by City of McCall GIS to process re-submittals.

The purpose of the digital record plat submittal is to maintain the integrity of City of McCall GIS property base map. Digital submittals will be accepted **only** if they adhere to the following criteria:

Digital files

1. Digital files should be submitted in DXF, DWG, or GIS shape file coverage format. This digital format drawing shall be an exact replica of any required and or included data represented on the submitted hard copy drawing/document.
2. This data must be provided on standard transfer media or by electronic transfer (3-inch floppy disk or CD-ROM or E-mail attachment). The submitted transfer media shall be labeled with the project name (subdivision name, or accepted job name, etc.), filing date, registered land surveyor or professional engineer's name and any other established project identifier.

Data Standards

1. All drawings will be constructed in the Idaho State Plane West Coordinate System in feet using the NAD83 Datum and tied to two known monuments. See projection parameters and geodetic control network for further information.
2. Digital linework must be topologically clean. Lines must be geometrically continuous and boundaries must be geometrically closed with no "undershoots" or "dangles" where boundaries intersect. The digital linework must not include "sliver polygons" (gaps or overlaps between properties). All traverse features will be "snapped" closed at intersections. Essentially, the digital version of the map must be of a high precision so that it can be easily converted to a GIS format.

3. All features should be closed polygons (polylines) or annotation (text) with the exception of benchmarks which are point features and road centerlines which are line features.

Layer names, feature types, and descriptions:

Each applicant may utilize unique layer names in lieu of the preferred layer names. Subsequent submittals from the same firm must use the previous layer names.

1. BLDG (Polygon) -All existing building/structure footprint areas.
2. BM (Point) -All benchmark and geodetic monument locations.
3. BSL (Polygon) -All building setback areas.
4. BUFFER (Polygon) -All exclusion areas as required by ordinance(s).
5. COMAREA (Polygon) -All common areas inside the subdivision.
6. AS (Polygon) -All existing and proposed easement areas located either inside or adjacent to the subdivision.
7. ESBWANNO (Annotation) -All text describing Easements, Setbacks, Buffers, and Wetlands.
8. MISCANNO (Annotation) -Any additional (optional) plat text not included in the other required annotation layers defined in these standards.
9. PARCEL (Polygon) -All parcel boundary areas within the subdivision.
10. PARCELANNO (Annotation) -All new PINS, lot numbers and street addresses for subdivision lots (individual or tabular).
11. ROW (Polygon) -All existing and new road and drainage right-of-way areas, located either inside or adjacent to the subdivision.
12. ROWANNO (Annotation) -All existing and new street names and right-of-way widths.
13. SUBDIV (Polygon) -Subdivision boundary areas.
14. SURVEYANNO (Annotation) -All survey data (bearings, distances, curve data, tie lines, etc.).
15. WETLAND (Polygon) -All existing delineated wetland areas either inside or adjacent to the subdivision (see Figure I).

Projection Parameters

Projection	NAD-1 983-StatePlane-Idaho-WesttF1PSS1 103-Feet
GCS	GCS-North-American-1983
Datum	D-North-America1983
Spheroid	GRS-1980 6378137,298.257222101
Prime Meridian	Greenwich 0
Unit Degree	0.0174532925199432955
Projection Type	Transverse-Mercator
False Easting	2624666.666666666
False Northing	0
Central Meridian	-1 15.75
Scale Factor	0.9999333333333333
Latitude Of Origin	4 1.666666666666666
Unit	Foot-US , 0.304800609601219241

CH2M HILL used high precision GPS equipment to establish positional information for 16 Public Land Survey locations around the City of McCall, Idaho. Coordinates are based on the **Idaho State Plane West NAD83 Feet projection**.

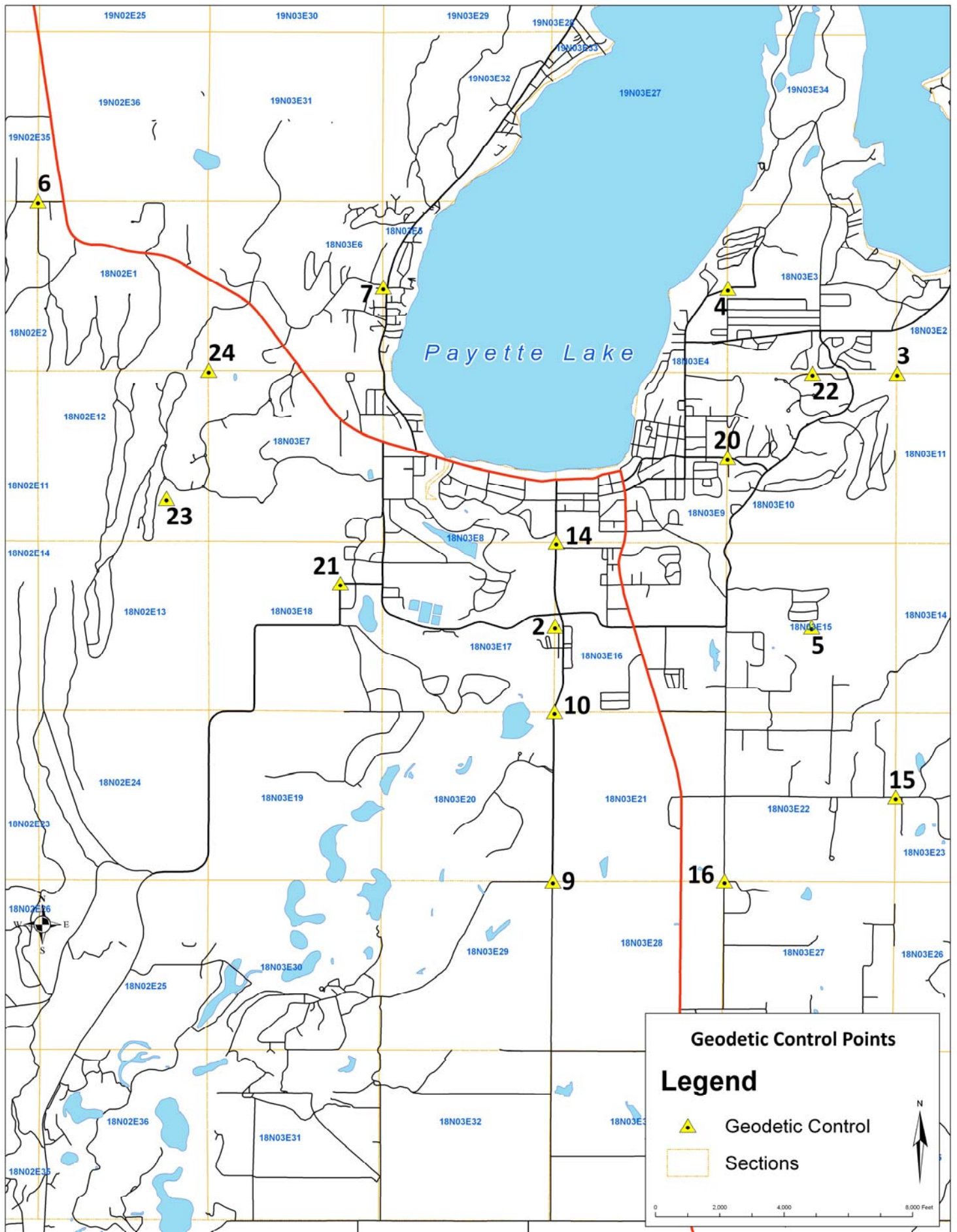
Public Land Survey descriptions are based on the Boise Meridian. **See attached map.**

Projected Coordinate System: NAD_1983_StatePlane_Idaho_West_FIPS_1103_Feet
Projection: Transverse_Mercator
False_Easting: 2624666.66666667
False_Northing: 0.00000000
Central_Meridian: -115.75000000
Scale_Factor: 0.99993333
Latitude_Of_Origin: 41.66666667
Linear Unit: Foot_US

Geographic Coordinate System: GCS_North_American_1983
Datum: D_North_American_1983
Prime Meridian: Greenwich
Angular Unit: Degrees



Geodetic Control Points

Name	ID	Northing	Easting	Ortho
2	1/4 cnr 17 & 16	1,177,846.77416	2,532,418.33580	5,018.07395
3	sec cnr 2 3 10 11	1,185,738.03218	2,543,055.03327	5,037.45384
4	1/4 cnr 4 & 3	1,188,400.18920	2,537,791.79664	5,022.91318
5	C1/4 sec 15	1,177,819.29675	2,540,396.21809	5,135.41624
6	twnp line 1 2 35 36	1,191,127.56210	2,516,332.88609	5,107.82771
7	1/4 cnr 6 & 5	1,188,435.38049	2,527,075.84029	5,047.26353
9	FND BCM NE SEC 29	1,169,907.13500	2,532,347.15900	4,997.74000
10	FND BCM NE SEC. 20	1,175,199.25400	2,532,397.43700	5,004.13000
14	FND BCM NE SEC. 17	1,180,491.21100	2,532,457.11200	5,034.38000
15	FND ACM E 1/4 SEC 22	1,172,523.99700	2,543,014.98500	5,106.32000
16	FND BCM NE SEC. 28	1,169,910.69500	2,537,684.48100	5,122.12000
20	qtr_cnr-9&10	1,183,113.82308	2,537,780.44104	5,053.17887
21	ne16th_s18	1,179,187.08974	2,525,740.89667	5,050.10145
22	south_qtr_s3	1,185,739.71707	2,540,424.22911	5,026.17433
23	se_16th_s12	1,181,851.37839	2,520,331.81151	5,065.49184
24	1&12_6&7_twp_line	1,185,831.05184	2,521,642.13452	5,115.59672



Geodetic Control Points

Legend

-  Geodetic Control
-  Sections

0 2,000 4,000 8,000 Feet